Roland

LEC-300 / 300A / 330 / 540
LEJ-640

Supplemental Manual

This document describes important points regarding ink.
Please be sure to read this document.

The content of “Installing the Ink Cartridges” has been changed.

Part of "Setup Guide" has been changed with support of the ECO-UVS ink.
When you install the ink cartridges for the first time, be sure to read "Installing the Ink Cartridges" in page 2 of this document, or "Installing the Ink Cartridges (LEC-330/ LEC-540/ LEJ-640)" in page 9.

The available operation after the [HEAD WASH] menu is executed has been changed.

Conditional selection of the ink type becomes available upon filling with ink after the [HEAD WASH] menu is executed. In other words, you can switch the ink type even after filling with ink.
For information on how to switch the ink type, please read "Switching the Ink Type" in page 17.

This machine supports the **ECO-UVS** ink.

Roland DG Corporation

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Contents

Contents 1

Installing the Ink Cartridges (LEC-300A) 2

Filling with Ink for the First Time 2
Affixing the Cartridge-Slot Labels 2
Installing the Ink Cartridges 4

Installing the Ink Cartridges (LEC-330 / LEC-540 / LEJ-640) 9

Ink Mode 9
Filling with Ink for the First Time 9
Affixing the Cartridge-slot Labels 9
Selecting the Ink Mode 11
Installing the Ink Cartridges 13

Switching the Ink Type 17

Restrictions on Switching Ink Type 17
Method for Switching the Ink Type 18

About Handling of ECO-UVS Ink 21

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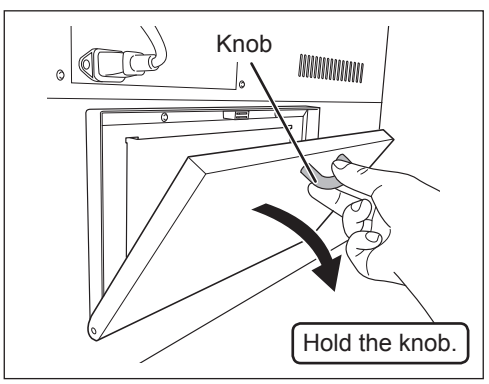
Installing the Ink Cartridges (LEC-300A)

Filling with Ink for the First Time

When installing ink cartridges for the first time, clean the print heads with the cleaning solution, and then fill with ink of each color. This operation requires four SOL INK cleaning cartridges.
This operation requires four UNUSED SOL INK cleaning cartridges.
Never under any circumstances use anything other than the specified type of ink or cleaning fluid.

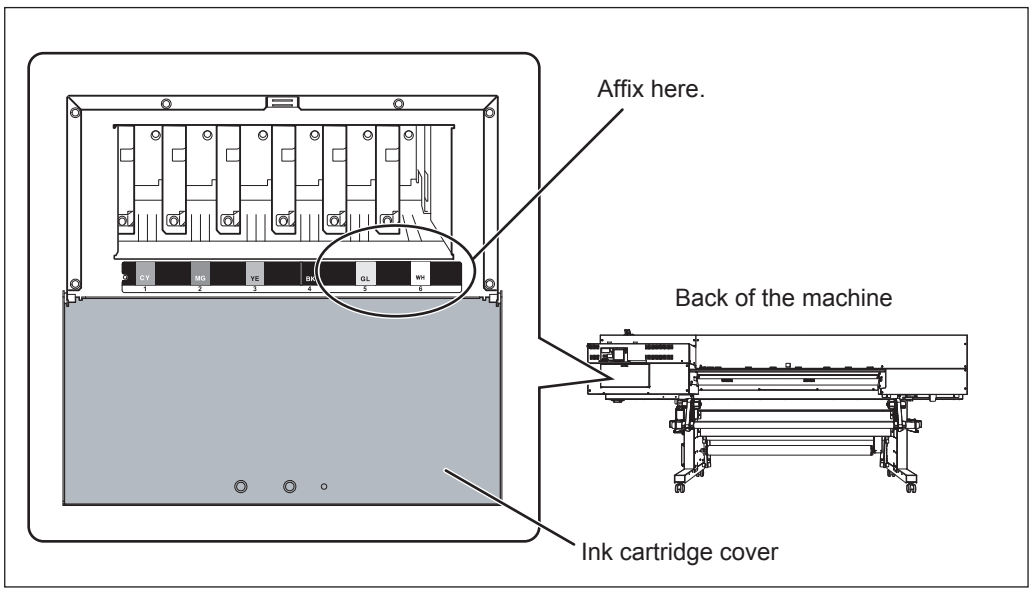
Affixing the Cartridge-Slot Labels

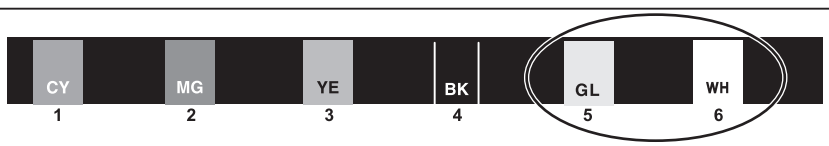
Procedure

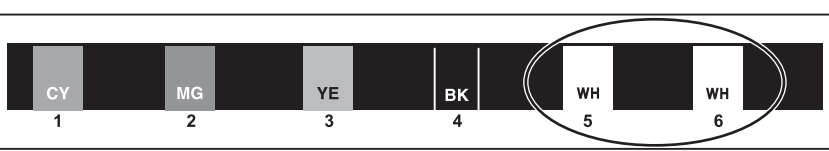
❶ 

Open the ink cartridge cover.

❷ **At the locations shown in the figure, affix the cartridge-slot labels matching the selected ink type.**

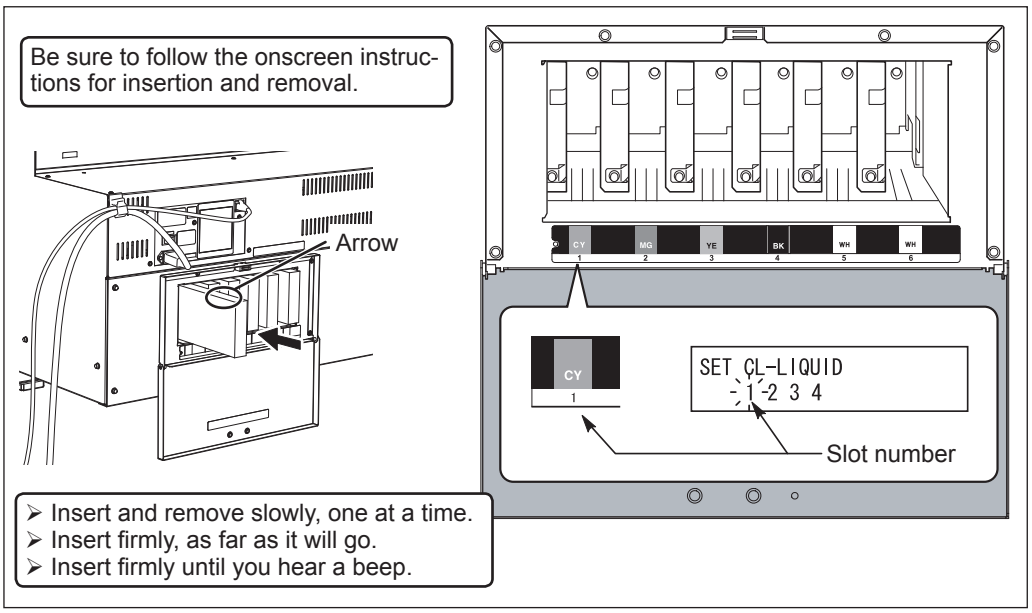


Ink type	**ECO-UV CMYKGIW** (Cyan, magenta, yellow, and black ECO-UV ink cartridges, one gloss ink cartridge, and one white ink cartridge are used.)
Cartridge-slot labels to affix	None
After affixing	

Ink type	**ECO-UVS CMYKWW** (Cyan, magenta, yellow, and black ECO-UVS ink cartridges and two white ink cartridges are used.)
Cartridge-slot labels to affix(*1)	
After affixing	

(*1) is an included item.

Installing the Ink Cartridges



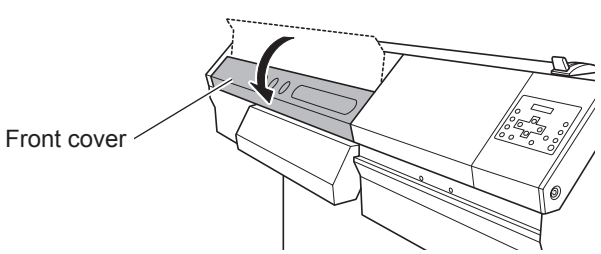
During cleaning, you need to insert and remove cartridges several times. The on-screen messages tell you when or which cartridge to be inserted or removed. The SOL INK cleaning cartridges are not differentiated by color.

IMPORTANT!

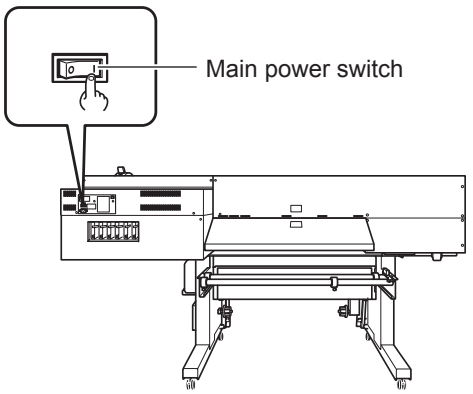
Insert each color ink cartridge into the slot labeled with the matching color. If you insert wrong cartridges when filling ink, the condition cannot be restored easily. Contact your authorized Roland DG Corp. dealer or us., if you filled ink with wrong cartridges inserted.

1. Make the initial settings.

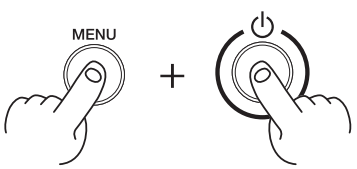
❶ Close the front cover.



❷ **Switch on the main power switch.**



❸ **Hold down (MENU) and press the sub power switch.**



❹
```
MENU LANGUAGE
JAPANESE
```
Use (▼) to select the language you want.
Press (ENTER).

❺
```
LENGTH UNIT
mm          ▶ mm
```
Use (▲) (▼) to select the unit of measurement you want (for length).
Press (ENTER).

❻
```
TEMP. UNIT
℃           ▶℃
```
Use (▲) (▼) to select the unit of measurement you want (for temperature).
Press (ENTER).

2. Clean the print heads using the SOL INK cleaning cartridge.

❶ **① Press (▲) (▼) and select the ink type.**

```
SELECT INK TYPE
ECO-UV  CMYKGIW
```
[ECO-UV CMYKGIW] : Cyan, magenta, yellow, and black ECO-UV ink cartridges, one gloss ink cartridge, and one white ink cartridge are used.

```
SELECT INK TYPE
ECO-UVS  CMYKWW
```
[ECO-UVS CMYKWW] : Cyan, magenta, yellow, and black ECO-UVS ink cartridges and two white ink cartridges are used.

② Press (ENTER).

❷

INSTALL
DRAIN BOTTLE ↵

Make sure the drain bottle is installed.
Press (ENTER).

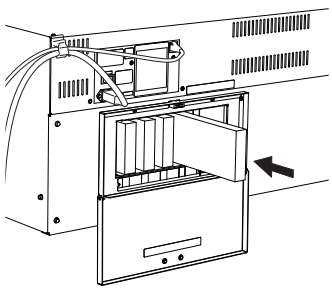
❸

SET CL-LIQUID
1 2 3 4

↓

FILLING INK...
>>

Insert the SOL INK cleaning cartridges into slots 1, 2, 3, and 4.



❹

REMOVE CL-LIQUID
1 2 3 4

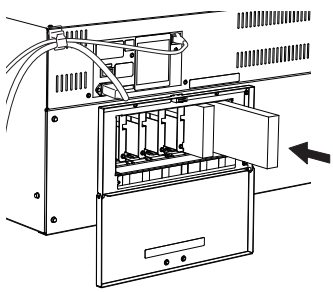
↓

SET CL-LIQUID
5 6

↓

FILLING INK...
>>>>

① When this screen appears, pull out the SOL INK cleaning cartridges.
② Insert the SOL INK cleaning cartridges you pulled out into slots 5 and 6.



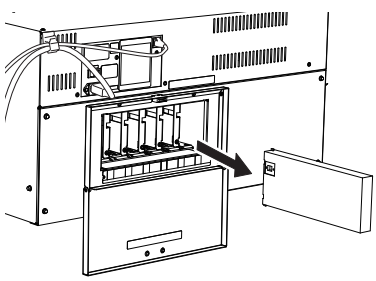
❺

REMOVE CL-LIQUID
5 6

↓

FILLING INK...
>>>>>>>>

When this screen appears, pull out the SOL INK cleaning cartridges.



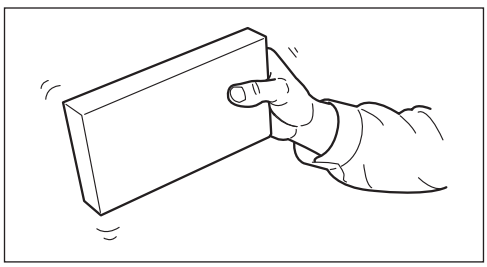
❻

CHECK
DRAIN BOTTLE ↵

When this screen appears, cleaning is finished.
Make sure the drain bottle is installed, and press (ENTER).

3. Insert the ink cartridges for the respective colors.

❶



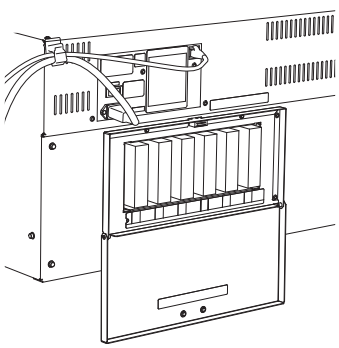
Before you insert the ink cartridge for each color, gently shake the cartridge.

❷

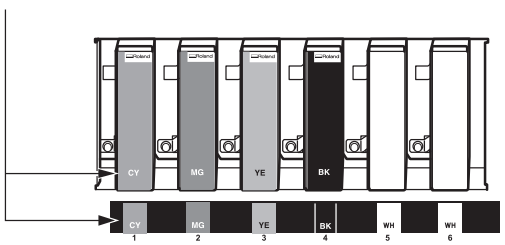
SET CARTRIDGE
1 2 3 4 5 6

FILLING INK...
>>>>>>>>>>

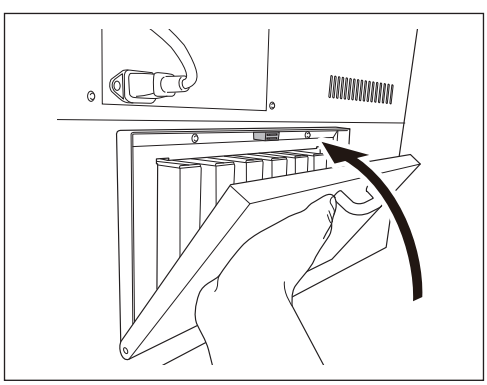
Insert the ink cartridge for each color.



Insert into the slot of the matching color.



❸



Close the ink cartridge cover.

4 CHECK
DRAIN BOTTLE ↵

Make sure the drain bottle is installed.
Press ENTER.

5 SETUP SHEET
◆▶ROLL

When this screen appears, filling with ink is finished.

Be Sure to Keep the Ink Cartridge Cover Closed at All Times.

The ink cartridge cover prevents the ink cartridges from being exposed to direct sunlight or strong illumination. If the ink cartridges are exposed to them, the ink inside the cartridges will become hardened, and it may cause the printer to malfunction. Make sure that the ink cartridge cover is always closed except when absolutely necessary, such as when you are replacing ink cartridges.

Installing the Ink Cartridges (LEC-330 / LEC-540 / LEJ-640)

Ink Mode

In the case of LEC-330 / LEC-540 / LEJ-640, you need to select the ink mode in accordance with the ink type.

☞ P.11, "Selecting the Ink Mode"

➢ **ECO-UV gloss/gloss mode**

This mode uses cyan, magenta, yellow, and black ECO-UV ink cartridges and two gloss ink cartridges.

➢ **ECO-UV white/white mode**

This mode uses cyan, magenta, yellow, and black ECO-UV ink cartridges and two white ink cartridges.

➢ **ECO-UV gloss/white mode**

This mode uses cyan, magenta, yellow, and black ECO-UV ink cartridges, one gloss ink cartridge and one white ink cartridge.

➢ **ECO-UVS ink mode**

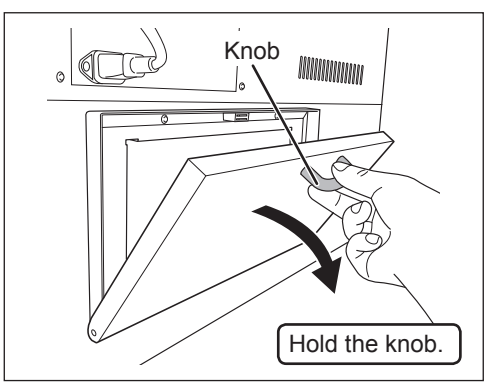
This mode uses cyan, magenta, yellow, and black ECO-UVS ink cartridges and two white ink cartridges.

Filling with Ink for the First Time

When installing ink cartridges for the first time, clean the print heads with the cleaning solution, and then fill with ink of each color. This operation requires four SOL INK cleaning cartridges.
This operation requires four UNUSED SOL INK cleaning cartridges.
Never under any circumstances use anything other than the specified type of ink or cleaning fluid.

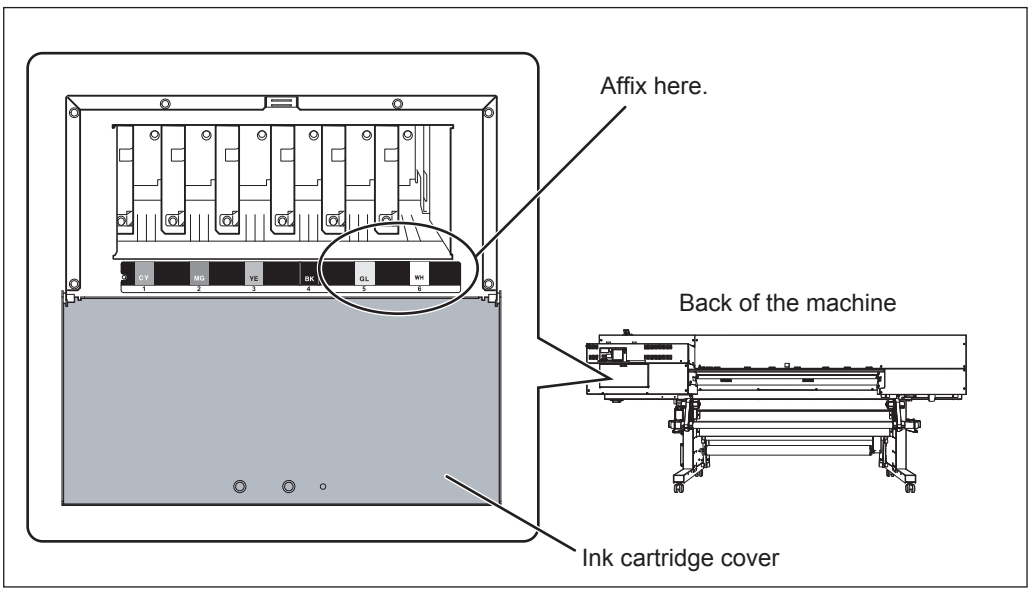
Affixing the Cartridge-slot Labels

Procedure

❶ 

Open the ink cartridge cover.

2 At the locations shown in the figure, affix the cartridge-slot labels matching the selected ink mode.



Ink mode	**ECO-UV gloss/gloss mode**
Cartridge-slot labels to affix	GL GL
After affixing	CY 1, MG 2, YE 3, BK 4, GL 5, GL 6

Ink mode	**ECO-UV white/white mode** **ECO-UVS ink mode**
Cartridge-slot labels to affix	WH WH
After affixing	CY 1, MG 2, YE 3, BK 4, WH 5, WH 6

Ink mode	**ECO-UV gloss/white mode**
Cartridge-slot labels to affix	None
After affixing	CY 1, MG 2, YE 3, BK 4, GL 5, WH 6

Selecting the Ink Mode

Be sure to make the selection of the ink mode when switching on the power for the first time.

Procedure

1. **Close the front cover.**
2. **If the main power switch is on, then switch it off.**
3. **<ECO-UV gloss/gloss mode>**
   ① Hold down ▼ and MENU, switch on the main power switch.
   ② When the message shown below appears on the display screen, release the operation-panel buttons.

   ```
   SET INK MODE
   GLOSS INK          ↵
   ```

   <ECO-UV white/white mode>
   ① Hold down ▲ and MENU, switch on the main power switch.
   ② When the message shown below appears on the display screen, release the operation-panel buttons.

   ```
   SET INK MODE
   WHITE INK          ↵
   ```

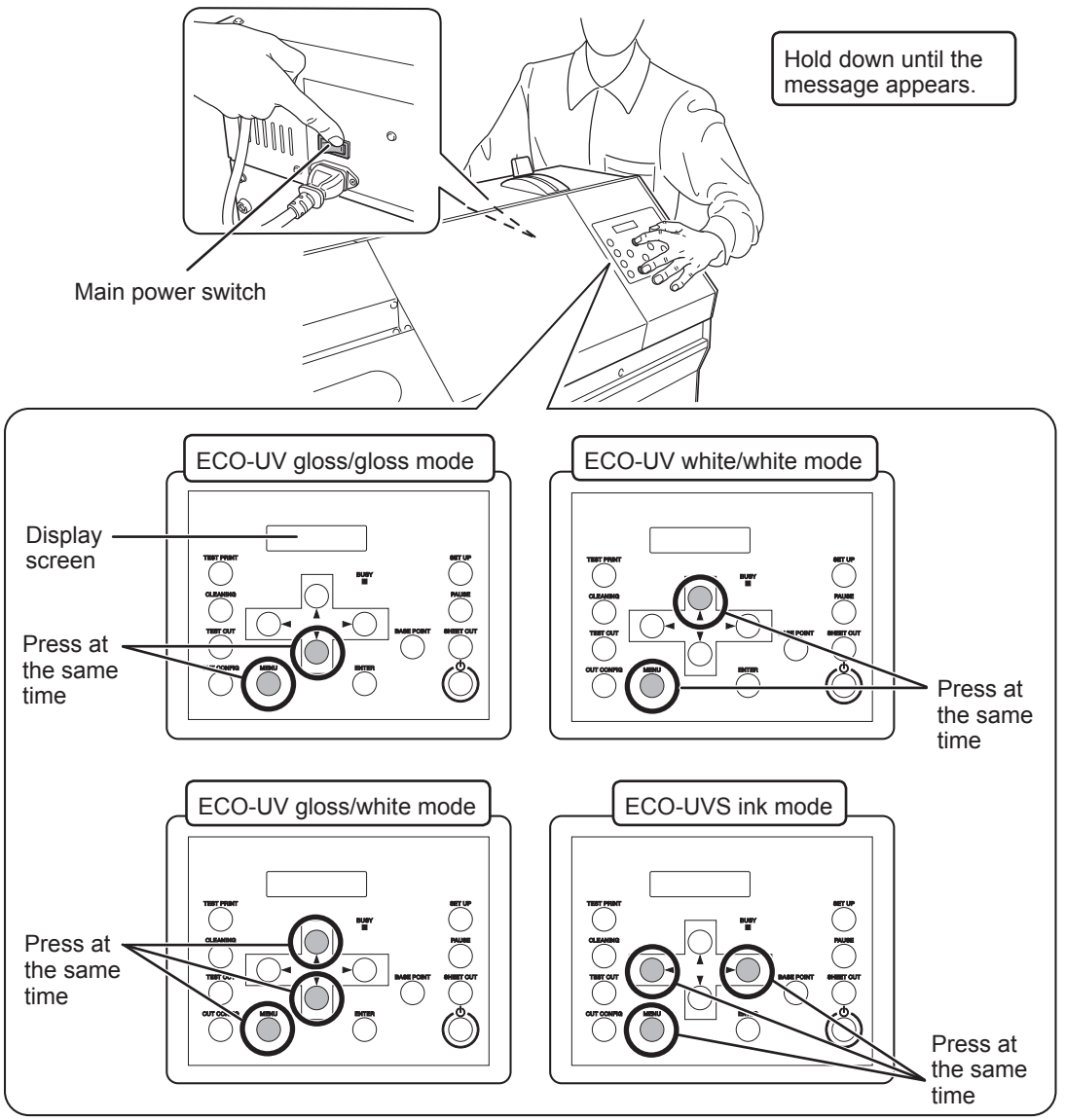
   <ECO-UV gloss/white mode>
   ① Hold down ▲ ▼ and MENU on the operation panel and switch on the main power switch.
   ② When the message shown below appears on the display screen, release the operation-panel buttons.

   ```
   SET INK MODE
   CMYKGIW            ↵
   ```

   <ECO-UVS ink mode>
   ① Hold down ◄ ► and MENU on the operation panel and switch on the main power switch.
   ② When the message shown below appears on the display screen, release the operation-panel buttons.

   ```
   SET INK MODE
   ECO-UVS WW         ↵
   ```

Continued on the next page



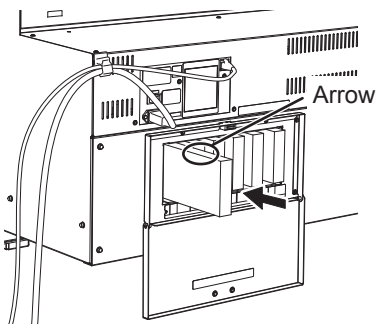
4 **Press** (ENTER) **.**

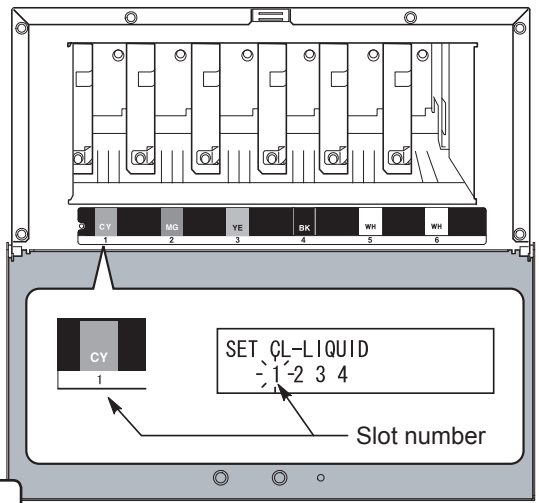
The sub power switches off automatically.

This completes selection of the ink mode. Go on to the next step, "Installing the Ink Cartridges."

Installing the Ink Cartridges

Be sure to follow the onscreen instructions for insertion and removal.





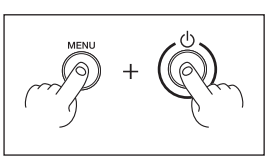
- Insert and remove slowly, one at a time.
- Insert firmly, as far as it will go.
- Insert firmly until you hear a beep.

During cleaning, you need to insert and remove cartridges several times. The on-screen messages tell you when or which cartridge to be inserted or removed. The SOL INK cleaning cartridges are not differentiated by color.

IMPORTANT!

Insert each color ink cartridge into the slot labeled with the matching color. If you insert wrong cartridges when filling ink, the condition cannot be restored easily. Contact your authorized Roland DG Corp. dealer or us., if you filled ink with wrong cartridges inserted.

1. Make the initial settings.

❶ 

Hold down (MENU) and press the sub power switch.

❷ MENU LANGUAGE ↕
JAPANESE ↵

Use (▼) to select the language you want.
Press (ENTER).

❸ LENGTH UNIT ↕
mm ▶ mm ↵

Use (▲) (▼) to select the unit of measurement you want (for length).
Press (ENTER).

❹ TEMP. UNIT ↕
℃ ▶ ℃ ↵

Use (▲) (▼) to select the unit of measurement you want (for temperature).
Press (ENTER).

2. Clean the print heads using the SOL INK cleaning cartridge.

❶

SELECT INK TYPE
ECO-UV CMYKGIGI ↵

ECO-UV gloss/gloss mode

SELECT INK TYPE
ECO-UV CMYKWW ↵

ECO-UV white/white mode

SELECT INK TYPE
ECO-UV CMYKGIW ↵

ECO-UV gloss/white mode

SELECT INK TYPE
ECO-UVS CMYKWW ↵

ECO-UVS ink mode

Check the selected ink mode.

<When the selected ink mode is enabled>
Press (ENTER).
<When an incorrect ink mode is enabled>
Switch off the sub power.
Again carry out the procedure on page 11, "Selecting the Ink Mode."

❷

INSTALL
DRAIN BOTTLE ↵

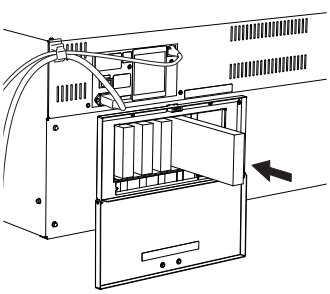
Make sure the drain bottle is installed.
Press (ENTER).

❸

SET CL-LIQUID
1 2 3 4

FILLING INK...
>>

Insert the SOL INK cleaning cartridges into slots 1, 2, 3, and 4.



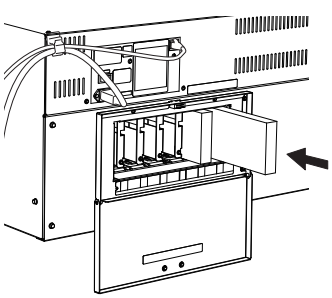
❹

REMOVE CL-LIQUID
1 2 3 4

SET CL-LIQUID
5 6

FILLING INK...
>>>>

① When this screen appears, pull out the SOL INK cleaning cartridges.
② Insert the SOL INK cleaning cartridges you pulled out into slots 5 and 6.

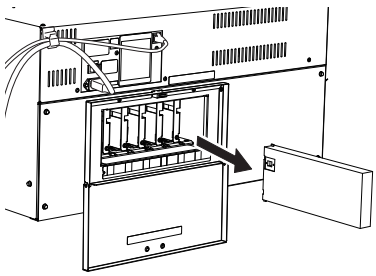


❺

REMOVE CL-LIQUID
5 6

FILLING INK...
>>>>>>>>

When this screen appears, pull out the SOL INK cleaning cartridges.



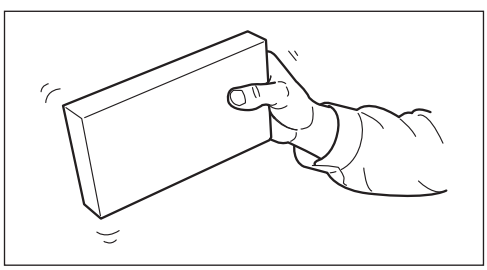
❻

CHECK
DRAIN BOTTLE ↵

When this screen appears, cleaning is finished.
Make sure the drain bottle is installed, and press ENTER.

3. Insert the ink cartridges for the respective colors.

❶



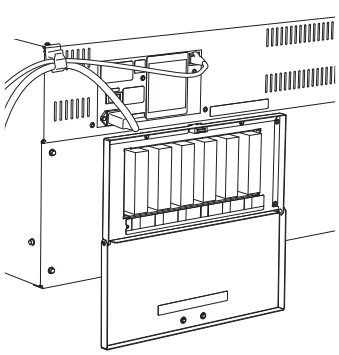
Before you insert the ink cartridge for each color, gently shake the cartridge.

❷

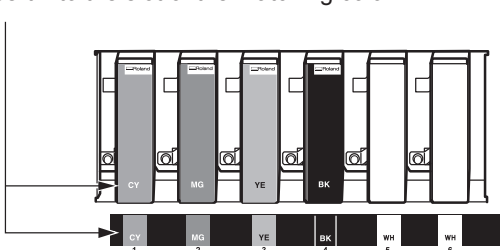
SET CARTRIDGE
1 2 3 4 5 6

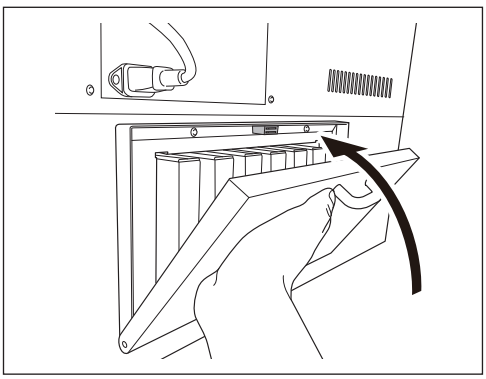
FILLING INK...
>>>>>>>>>>

Insert the ink cartridge for each color.



Insert into the slot of the matching color.



❸ 

Close the ink cartridge cover.

❹

```
CHECK
      DRAIN BOTTLE  ↵
```

Make sure the drain bottle is installed.
Press (ENTER).

❺

```
SETUP SHEET
◆◆ROLL
```

When this screen appears, filling with ink is finished.

Be Sure to Keep the Ink Cartridge Cover Closed at All Times.

The ink cartridge cover prevents the ink cartridges from being exposed to direct sunlight or strong illumination. If the ink cartridges are exposed to them, the ink inside the cartridges will become hardened, and it may cause the printer to malfunction. Make sure that the ink cartridge cover is always closed except when absolutely necessary, such as when you are replacing ink cartridges.

Switching the Ink Type

Restrictions on Switching Ink Type

On this machine, you can switch the ink type using the [HEAD WASH] menu after filling with ink.

However, there are the restrictions given below:

- **The ink types that can be used on this machine are the ECO-UV ink and ECO-UVS ink.**
- **When you select [ECO-UV CMYKGIGI] (*1) or [ECO-UV CMYKGIW] (*2) when you fill with ink for the first time, you cannot switch the ink type from the ECO-UVS ink to ECO-UV ink.**
- **You can only select [ECO-UV CMYKWW] (*3) when you switch the ECO-UVS ink to ECO-UV ink.**
- **On LEC-300/LEC-300A, you cannot switch the ECO-UVS ink to ECO-UV ink.**

	LEC-300 / LEC-300A	LEC-330 / LEC-540 / LEJ-640
ECO-UV CMYKGIGI ⇨ ECO-UVS CMYKWW (*4)		OK
ECO-UV CMYKWW ⇨ ECO-UVS CMYKWW		OK
ECO-UV CMYKGIW ⇨ ECO-UVS CMYKWW	OK	OK
ECO-UVS CMYKWW ⇨ ECO-UV CMYKGIGI		Not OK
ECO-UVS CMYKWW ⇨ ECO-UV CMYKWW		OK (*5)
ECO-UVS CMYKWW ⇨ ECO-UV CMYKGIW	Not OK	Not OK

(*1) Cyan, magenta, yellow, and black ECO-UV ink cartridges and two gloss ink cartridges are used.

(*2) Cyan, magenta, yellow, and black ECO-UV ink cartridges, one gloss ink cartridge, and one white ink cartridge are used.

(*3)Cyan, magenta, yellow, and black ECO-UV ink cartridges and two white ink cartridges are used.

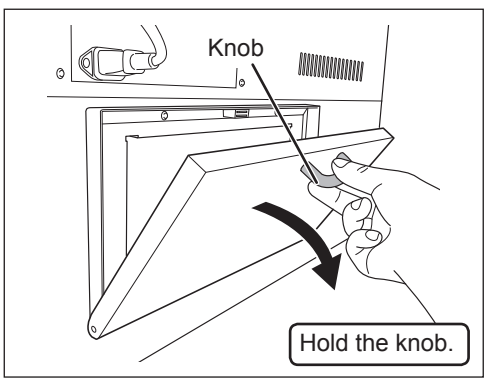
(*4) Cyan, magenta, yellow, and black ECO-UVS ink cartridges and two white ink cartridges are used.

(*5) When you select [ECO-UV CMYKGIGI] or [ECO-UV CMYKGIW] when you fill with ink for the first time, you cannot switch the ink type from the ECO-UVS ink to ECO-UV ink.

Method for Switching the Ink Type

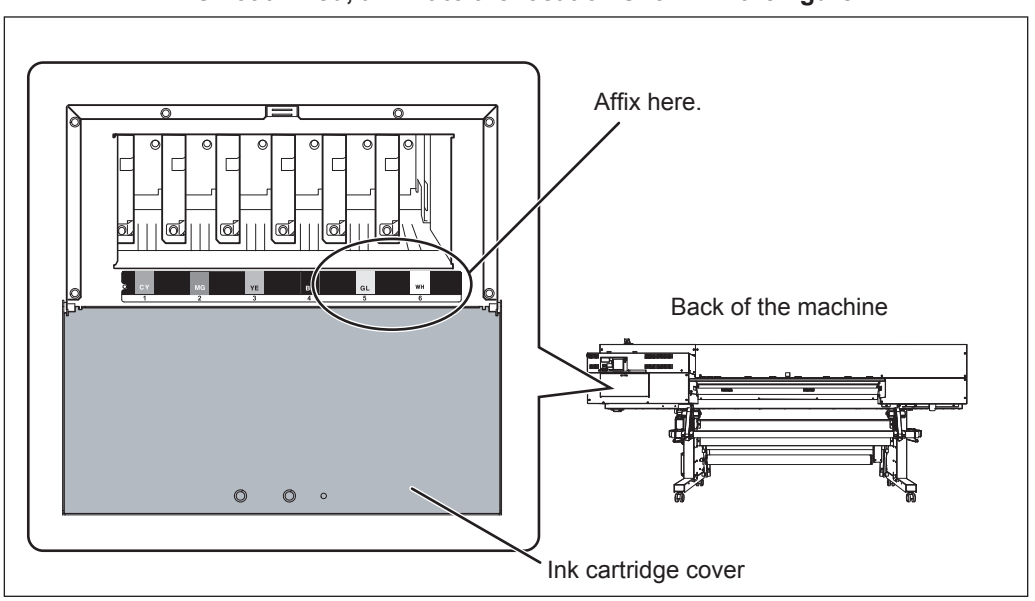
This operation requires four unused SOL INK cleaning cartridges. Have these on hand before you start.

1. Affixing the Cartridge-slot Labels.

❶ 

Open the ink cartridge cover.

❷ **If WH WH is not affixed, affix it to the location shown in the figure.**



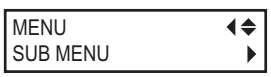
After affixing	

2. Drain the ink and wash the interior.

IMPORTANT!

Insert each color ink cartridge into the slot labeled with the matching color. If you insert wrong cartridges when filling ink, the condition cannot be restored easily. Contact your authorized Roland DG Corp. dealer or us., if you filled ink with wrong cartridges inserted.

1. **Press (MENU).**

2. 

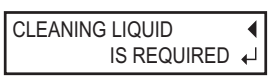
Press (▼) several times until the screen shown on the left appears.
Press (►).

3.

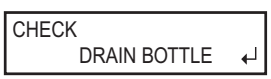
Press (▲) several times until the screen shown on the left appears.
Press (►) (▲) in this order.

4.

Press (ENTER).

5. 

Make sure the cleaning fluid is ready.
Press (ENTER).

6. 

Discard the discharged ink in the drain bottle.
Be sure to discard the discharged ink.
Press (ENTER).

7. **Thereafter, follow the on-screen instructions to carry out the operations.**
After cleaning has finished, the sub power is automatically switched off.

⚠WARNING **Never put discharged fluid or ink closed to fire.**
Doing so may cause the blaze.

⚠CAUITON **To store discharged fluid temporarily, keep it in the provided drain bottle or in a durable container such as a metal can or polyethylene tank, and close the cap tightly.**
Any spillage or vapor leakage may cause fire, odor, physical distress.

Store discharged fluid in a location not exposed to direct sunlight.

When temporarily storing discharged fluid in the included drain bottle, keep the drain bottle out of direct sunlight. Otherwise the discharged fluid may harden, making the drain bottle unusable.

Dispose of discharged fluid properly, in accordance with the laws in effect in your locale.

Discharged fluid is flammable and contains toxic ingredients. Never attempt to incinerate discharged fluid or discard it with ordinary trash. Also, do not dispose of it in sewer systems, rivers, or streams. Doing so may have an adverse impact on the environment.

3. Fill with ink.

1. **Press the sub power button.**

2. **Select the ink type.**

<When switching to ECO-UV ink>

Press ▲ ▼ to display the left figure.
Press ENTER.

<When switching to ECO-UVS ink>

Press ▲ ▼ to display the left figure.
Press ENTER.

3. **Thereafter, follow the on-screen instructions to carry out the operations.**
After finishing the operation, close the ink cartridge cover.

IMPORTANT!

When you use VersaWorks
Be sure to perform the following operation after filling with ink. Otherwise, you cannot use VersaWorks.

Procedure

1. **From the [Start] menu, click [All programs (or Programs)] - [Roland VersaWorks] - [Roland VersaWorks] - [Initialize Application].**

2. **Click [Yes] when a confirmation message for initialization of the application appears.**

3. **Click [OK] when a completion message for initialization of the application appears**

4. **Start VersaWorks.**
The [Printer Settings] window is displayed. This is because the connection with the printer is initialized by performing Initialize Application.

5. **Make the settings of the printer.**
☞ "Printer Connection and Settings" in "Roland VersaWorks Quick Start Guide"
When you initialize the application, the settings of Roland@NET are initialized as well. Please make the settings again.
☞ "Making the Settings for Roland@NET" in "Roland VersaWorks Quick Start Guide"

About Handling of ECO-UVS Ink

Handling of the ECO-UVS ink is the same as that of the ECO-UV ink. Please read "Setup Guide" and "Users Manual".